

Minor Source Emissions Inventory SPARS Training

Site Management Webinar

Emissions Inventory
&
SPARS Helpdesk

Iowa DNR – Air Quality Bureau
7900 Hickman Rd Suite 1
Windsor Heights, IA 50324



IowaDNR

The Iowa Department of Natural Resources



Leading Iowans
in caring for
our natural resources

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SPARS Training



➤ Getting to know SPARS Web

SPARS Training Objective

- **The main objective of this training is to ensure that users acquire the necessary knowledge to update and maintain facility information and equipment lists in SPARS Site Management.**

SPARS Web – What is it?

- **SPARS was created as an Oracle database to gather environmental data received through construction permit applications, Title V permit applications, and emissions inventories.**
- **SPARS was made available on the World Wide Web**

SPARS Web – What is it?

- **Site Management**
 - **Section of the database where the following facility information may be found: location, mailing address, name and addresses for its contacts, classification, plant number, equipment identification, equipment description, latitude, longitude, UTM coordinates, etc.**



For Development Use Only - SPARS Web : Site Management

Select Site ID: Select Site Name: RACHEL'S ADVENTURELAND

Query Site Information Site ID: 100000026768 Name: RACHEL'S ADVENTURELAND

Responsible Official

Mailing Address

Parent Address

Site and Location

Other Information

Business Description

Comments

* Company/Site Name: RACHEL'S ADVENTURELAND

* County: POLK

Address 1: 1500 FULLER RD

Address 2:

City: WEST DES MOINES

State: IA

Zip Code: 50265

EIQ No: 92-9999

UTM Zone No.: 15

UTM Easting Amt Meters: 462,361

UTM Northing Amt Meters: 4,610,751

Latitude: 41.6

Longitude: -93.75

Facility Type

Facility ID

MINOR EI

77-02-999

Points

Units

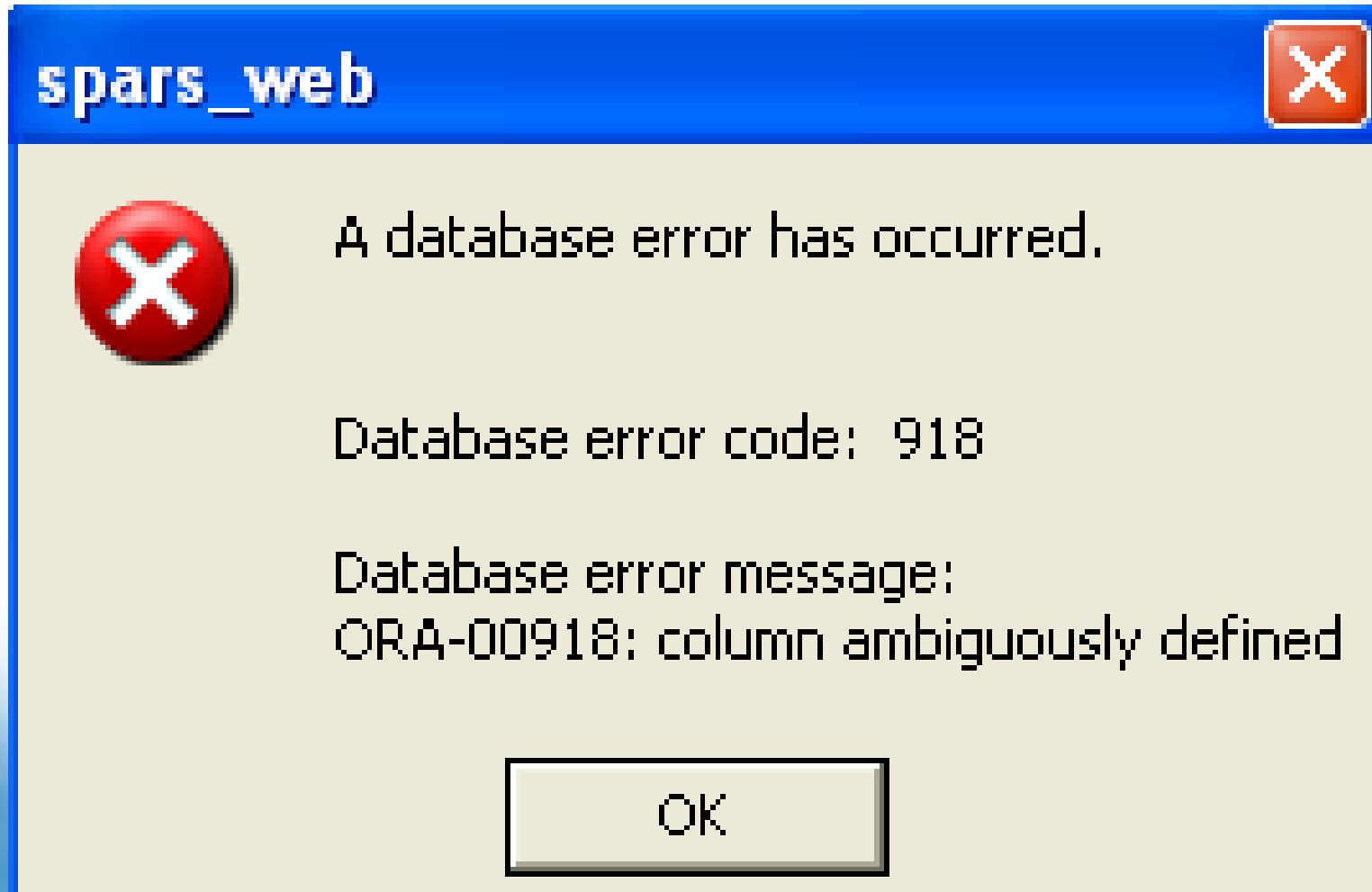
Control

Monitor

SPARS Web – How does it communicate with you?

- Through **database errors** and **warning messages**
- **Database errors** – There are several reasons why they occur and several ways in which they are displayed. The common thread is that all are “terminal.” The connection to SPARS Web is terminated.

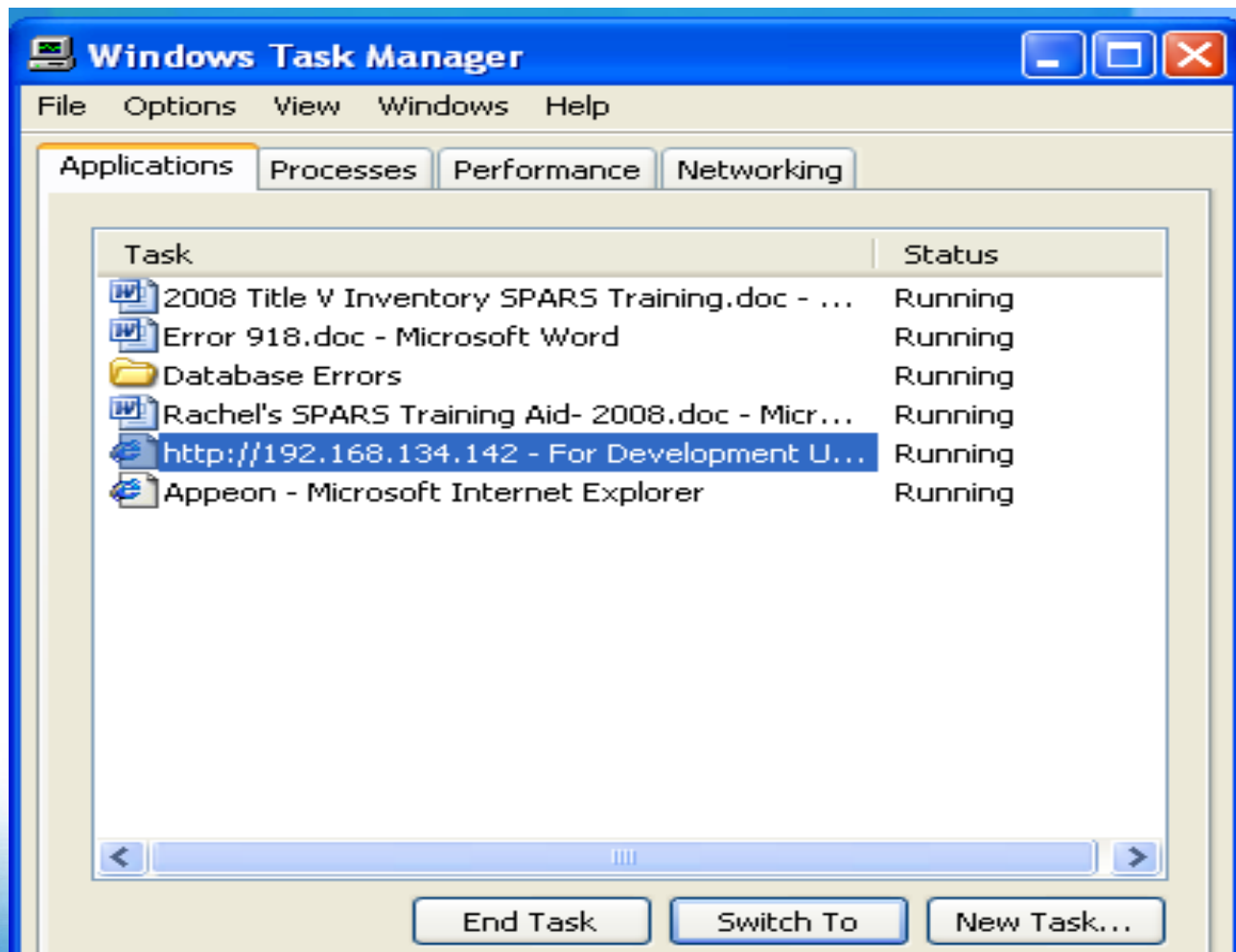
Example of a Database Error



SPARS Web – How does it communicate with you?

- **One of the most common database errors is received when users try to access SPARS documents that have already been submitted to the DNR.**
- **For security reasons and to avoid accidental changes to the submitted data, SPARS disconnects these users.**

End Task



SPARS Web – How does it communicate with you?

- **Warning Messages** – There are several reasons why they occur and there are several ways that they are displayed. Unlike database errors, warning messages are not “terminal.” Users are not disconnected from SPARS Web when they occur.

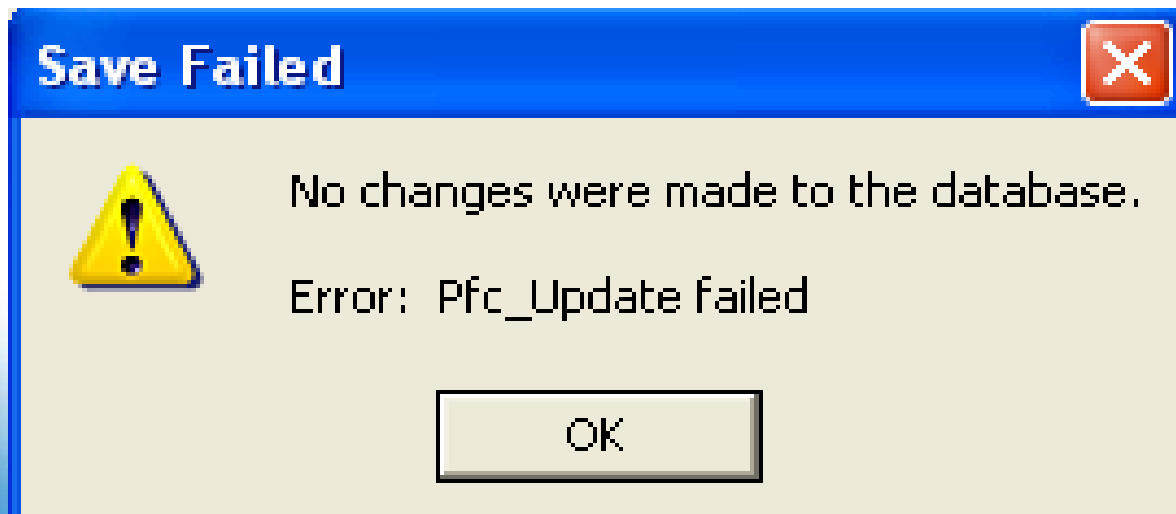
SPARS Web – How does it communicate with you?

- **Two of the most common warning messages are:**
 - **When the data needs to be refreshed.**
 - AND**
 - **When the database finds a duplicate record.**

Examples of a Warning Message



Examples of a Warning Message



Accessing SPARS Web

- **SPARS Administrator at AQB creates 2 accounts for a facility:**
 - **Facility Administrator**
 - **Responsible Official**
- **The facility's SPARS users download the Appeon plug-in to access SPARS Web.**

Accessing SPARS Web

- The facility's SPARS users enter their User Name and Password to log in to SPARS Web.



A screenshot of a web browser window titled "Please Login". The window features a graphic of a bald eagle's head on the right, with the text "Iowa Department of Natural Resources" and "SPARS" in large, stylized letters across the center. Below the eagle, it says "State Permitting and Air Reporting System". At the bottom, there are two input fields: "User ID:" and "Password:". To the right of the "User ID:" field is a "Login" button, and to the right of the "Password:" field is an "Exit" button.



State Permitting and Air Reporting System



SPARS Web



State Permitting and Air Reporting System

Welcome to SPARS Web

This system was developed by the Iowa Department of Natural Resources (IDNR) to assist the regulated community in preparing and submitting Air Construction and Operating permit applications.

The system contains an Online Help that will guide you through the use of this system. Simply select 'Help Topics' from the Help menu at any time to access information on system functions navigation or general document organization. The Online Help is context sensitive. You can press the F1 Key to access detailed instructions for each of the electronic forms.

Getting started You will need to have a Site Identification Number unique for your facility before you can start enter. If you do not have a Site Identification Number, you need to contact the IDNR to obtain this 12-digit number.

To contact the IDNR for your 12-digit number:

Call: (515) 242-5100

Fax: (515) 242-5094

E-Mail: SPARS@mail.dnraq.state.ia.us

Write to: Attn SPARS

Iowa DNR-Air Quality Bureau

7900 Hickman Road, Suite 1

Urbandale, IA 50322

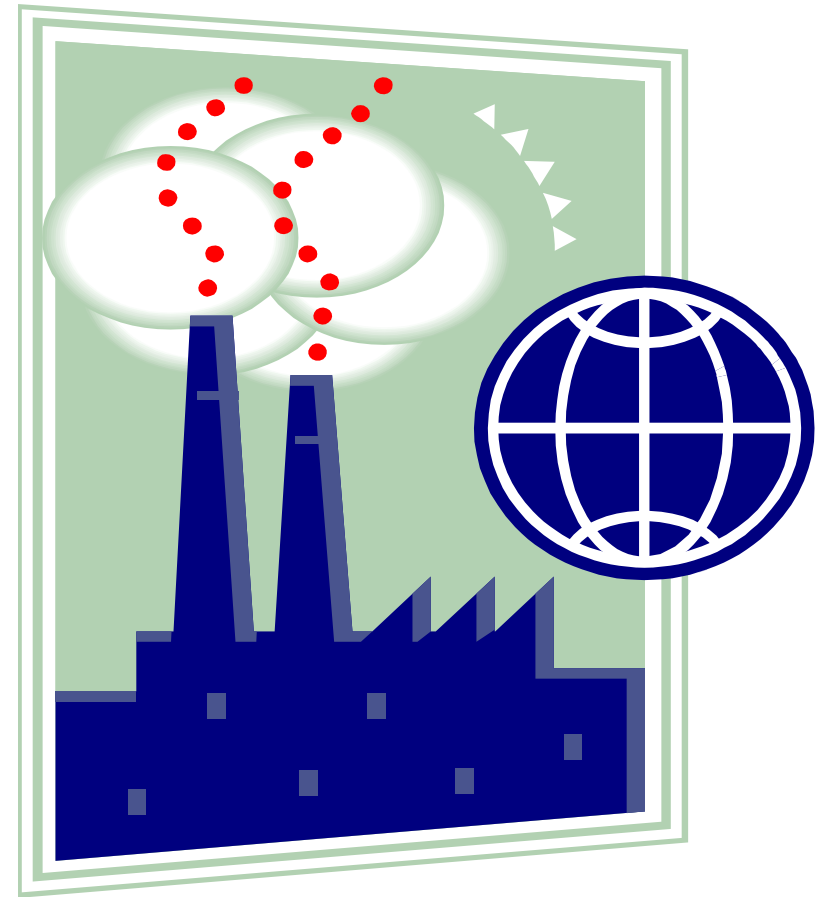
Or Visit our Web Site at <http://www.dnraq.state.ia.us>

Please include your Facility Name, County Name, Mailing Address, and Phone Number. If you already have an EIQ Number or Facility ID Number, include that information as well.

☒ **Show welcome at startup**

Minor Source Emissions Inventory SPARS Training: Site Management

➤ **Questions?**



SPARS Interactive Training: Logging Into SPARS

- Login (<http://spars.iowadnr.gov/spars.htm>)
- Username
- Password

SPARS Interactive Training: Working in Site Management

State Permitting and Air Reporting System

File Edit View Tools Reports IDNR Site Management Window Help

SPARS : Facility Information

Select Site ID: [] Select Site Name: SPARS SAMPLE FACILITY - MINOR SOURCE

Query Site Information Site ID: 100000041171 Name: SPARS SAMPLE FACILITY - MINOR SOURCE

Points Units Location Address 1: 300 E IOWA ST
Control Monitor Location Address 2: []

City Name: GREENFIELD
County Name: ADAIR
State Code: IA Postal Code: 50849 Country Code: USA

Air General GIS Interests Addresses Contacts Organizations Former Names

Interest Type	Alt ID Type	Alt ID No
SAMPLE MINOR EI	FACILITY ID	01-01-998

System Id: SYSTEM ID Media Type: []

System Abbreviated Name: []

Site Alt Name: []

Start Date: 15-Feb-2011 Start Date Qualifier: []

End Date: [] End Date Qualifier: []

Ready

start State Permitting and ... Microsoft PowerPoint ... 2:01 PM

Purpose of the Minor Source Emissions Inventory (MSEI)

- **The data IDNR receives through the MSEI helps:**
 - **Assist in tracking Iowa's progress towards meeting national air quality standards**
 - **Perform regional and local air pollution dispersion modeling**
 - **Develop control and maintenance strategies required by the Clean Air Act**
 - **Identify emission levels and trends throughout the state**
 - **Verify emissions data contained in nationally-published reports (USA Today School Air Toxics, NATA, etc.)**
 - **A complete air pollutant inventory is required by Iowa Administrative Code (567) sub rule IAC 21.1(3)**

Options for submitting the MSEI

- **Electronically via the SPARS website**
 - <http://spars.iowadnr.gov/spars.htm>
- **Paper via the MSEI forms**
 - <http://www.iowadnr.gov/InsideDNR/RegulatoryAir/EmissionsInventory/MinorSourceForms.aspx>
- **Specialized forms for stationary concrete, asphalt, and limestone crushing plants and Group 2 Grain Elevators**
 - <http://www.iowadnr.gov/InsideDNR/RegulatoryAir/EmissionsInventory/EmissionsEstimateTools.aspx>

How to gain access to the SPARS website

- **Facility Administrator form**

- <http://www.iowadnr.gov/portals/idnr/uploads/forms/5422005.pdf?amp;tabid=1476>

- **Responsible Official form**

- <http://www.iowadnr.gov/portals/idnr/uploads/forms/5422004.pdf?amp;tabid=1476>

- **SPARS help and information**

- <http://www.iowadnr.gov/InsideDNR/RegulatoryAir/SPARS/HelpInfo.aspx>

MSEI Resources

- **Worksheets, example calculations, SCC numbers, and links to websites for emission factors and SIC & NAICS codes**
 - <http://www.iowadnr.gov/InsideDNR/RegulatoryAir/EmissionsInventory/EmissionsEstimateTools.aspx>
- **MSEI instruction booklet**
 - http://www.iowadnr.gov/portals/idnr/uploads/air/insidednr/emissinv/msei_instructions.pdf

MSEI Resources

- **Tips on completing the inventory**
 - http://www.iowadnr.gov/portals/idnr/uploads/air/insidednr/emissinv/msei_tips.pdf?amp;tabid=1570
- **Frequently asked questions**
 - http://www.iowadnr.gov/portals/idnr/uploads/air/insidednr/emissinv/msei_faqs.pdf?amp;tabid=1570
- **Exemptions**
 - http://www.iowadnr.gov/portals/idnr/uploads/air/insidednr/emissinv/msei_exemptions.pdf?amp;tabid=1570
- **Iowa Air Emissions Assistance Program inventory tools**
 - <http://mse.iwrc.org/>

Additional Minor Source Emissions Inventory SPARS Training

- **Creating the Emissions Inventory Webinar:**
 - <http://www.iowadnr.gov/InsideDNR/RegulatoryAir/EmissionsInventory/EmissionsInvTraining.aspx>
 - Will include instructions on how to create and submit a Minor Source Emissions Inventory from SPARS, example calculations for common processes, available resources, common errors, and a Q&A session.